ABSTRACT

A golf ball with at least one moisture vapor barrier layer is disclosed. In accordance to one aspect of the invention, the moisture vapor barrier layer may comprise butyl rubber. The butyl rubber may also be a halogenated butyl rubber such as bromobutyl rubber or chlorobutyl rubber. The butyl rubber may also be a sulfonated butyl rubber. The butyl rubber may be blended with other polymers. In accordance to another aspect of the invention, the moisture vapor barrier layer is placed on to a core subassembly and cured by infrared radiation (IR). IR-curable moisture vapor barrier materials include, but not limited to, butyl rubber, polysulfide rubber and single-pack castable polymers, among others. In accordance to another aspect of the invention, an outer layer of the golf ball may comprise a polymer that has a cured temperature greater than the softening temperature or melting temperature of the encased subassembly. Such outer layer may be cured by IR. The outer layer may be a cover, an intermediate layer or a moisture vapor barrier layer.